REPORT NO. 79-3-10

FOREST INSECT AND DISEASE MANAGEMENT UNIT
U.S. FOREST SERVICE
DORAVILLE, GEORGIA

REPORT OF AERIAL DETECTION SURVEY

LAND OWNERSHIP OR SURVEY AREA: Tyger Ranger District and Enoree Ranger District, Sumter National Forest

STATE: South Carolina

AREA WITHIN SURVEY AREA: 400,000 acres

DATE: March 13, 1979

PERCENT COVERAGE: 50%[1/]

AIRCRAFT: Cessna 182

CREW: Myron Farly (Tyger Ranger District), Bruce Lake (Enoree Ranger District), Robert Bassett (Aerial Survey Team)

REPORT PREPARED BY: Robert Bassett

SURVEY OBJECTIVES: To detect current pine mortality caused by the southern pine beetle on the Tyger and Enoree Ranger Districts.

SURVEY RESULTS

The mortality observed was considered insignificant by all observers in the aircraft. A considerable amount of ice damage was observed on both Districts, which could increase the potential for bark beetle activity later this summer.

CONCLUSIONS

Southern pine beetle is at a very low level. District personnel should maintain field surveillance and report any incidence of southern pine beetle activity.

We appreciate the assistance of Messrs. Myron Farly and Bruce Lake of the Tyger and Enoree Districts.

1/ Based on flight lines two miles apart, with 1/2 mile viewing strip by each observer on the Tyger Ranger District, and flight lines four miles apart using a one mile viewing strip on the Enoree Ranger District.

For any additional information, Contact:

Forest Insect and Disease Management Unit, S&PF
USFS - Southeastern Area

Northgate Office Park, Room 2103
3620 Interstate 85, NE
Doraville, GA 30340
Tel: 404-221-4796

or

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Asheville, NC 28802
Tel: 704-258-2850
Ext. 625

Table 1 -- Summary of Aerial Survey Data - Tyger-Enoree Ranger District, Sumter National Forest, South Carolina, March 13, 1979.

Ownership	Infestation Size (# Trees)									
	2-5		6-20		21-50		50+		Total	
	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
Tyger Ranger District	6	22	0	0	0	0	0	0	6	22
Enoree Ranger District	5	15	0	0	0	0	0	0	5	15
Total private within survey area	4	12	0	0	0	0	0	0	4	12